



भारत का राजपत्र

The Gazette of India

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

सं. 44] नई विल्ली, रामनगर, नवम्बर 1, 1986 (कार्तिक 10, 1908)
No. 44] NEW DELHI, SATURDAY, NOVEMBER 1, 1986 (KARTIKA 10, 1908)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

{Separate paging is given to this Part in order that it may be filed as a separate compilation}

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

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Calcutta, the 1st November 1986

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APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700017

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

24th September, 1986

705/Cal/86. Chin-Wang Tsai. Fire Escape. (30th December, 1985) U.K.

706/Cal/86. Dneprodzerzhinsky Industrialny Institut Imeni M.I. Arsenicheva. Apparatus for purifying waste water

707/Cal/86. Intersteel Technology, Inc. Method and apparatus for preheating charge materials for continuous steelmaking.

708/Cal/86. Danieli & C. Officine Meccaniche SPA. Device to handle ladles.

29th September, 1986

709/Cal/86. Chandra Narayan Bairagya. Improved fish reproductive chamber.

710/Cal/86. Baramac Corporation Limited. Improvements in or relating to ground anchors. (27th September 1985) New Zealand.

711/Cal/86. Hoechst Aktiengesellschaft. Mixtures of water-soluble reactive dyes.

712/Cal/86. Societe Des Electrodes Et Refractories Savoie (SERS). A mixed refractory block. (Divisional date 21st November, 1983).

713/Cal/86. CRA Services Limited. Particle feed apparatus. (30th September, 1985) Australia.

714/Cal/86. CRA Services Limited. Classifier. (30th September, 1985) Australia.

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, 3RD FLOOR, KAROL BAGH, NEW DELHI-110005

1st September, 1986

777/Del/86. M.D. Ravichandran, "An improved water filter".

778/Del/86. Manoj Kumar, "Automatic traffic density dependent road traffic signal lights controller".

779/Del/86. Gurdeep Singh Johar and Sunil Bhatia, "A process for concealing in situ, top secret and confidential blue ink writings and making them to reappear as and when required".

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, 3RD FLOOR, SUN MILL COMPOUND, LOWER PAREL (W), BOMBAY 400 013

20-8-1986

231/Bom/86 Fruchsha Nariman Contractor.

Valves and Taps used for liquids having improved efficiency.

232/BOM/86 Neetin Bhaskar Kale

Prevention of algal growth & scaling of atmospheric condenser (due to algal growth).

21-8-1986

233/BOM/86 Lubrizol India Ltd.

A process for the production of acrylic ester polymers and copolymers for using them as pour point depressants for lubricating oils.

234/BOM/86	Ahmedabad Textile Industry's Research Association.	A mechanism for continuously stripping waste from flats of a carding machine.
22-8-1986		
235/BOM/86	Darryl D. Rodrigues	Improvements in or relating to a cycle exercising appliance.
236/BOM/86	Anand S. Wagh	Pre-immersion separator system for sow box of sizing machine.
237/BOM/86	Manju Agrawal & Mohandas Agrawal	Mini Pollution controller for automobiles.
28-8-1986		
238/BOM/86	Harischandra K. Mhatre & K.H. Mhatre	Improvement in or relating to plate heat exchanger.
239/BOM/86	Dhrangadhra Chemical Works Ltd.	Improvements in or relating to the manufacture of soda ash.
29-8-1986		
240/BOM/86	S. K. Iyengar	Indicator method of detecting and estimating water in liquid petroleum fuels and oils.
241/BOM/86	Do.	Indicator method of finding level of volatile petroleum liquids solvents or fuels in tanks and reservoirs for their volume in tanks.
242/BOM/86	D.L. Panchal, M.D. Panchal & K.D. Panchal	Invention in or relating to manufacture two jaws drill chucks.
243/BOM/86	D.V. Sims & M.J. Sims	An oil refiner with atomising nozzle.
244/BOM/86	Safari Industries India Ltd.	An improved locking device for luggage, suitcases, briefcases and the like for preventing their opening in upside down position.
245/BOM/86	Greaves Foseco Ltd.	Refractory Compositions.
1-9-1986		
246/BOM/86	S.S. Nikam	Sep Ayurvedic Cream.
2-9-1986		
247/BOM/86	E. Merck (India) Ltd.	An improved temper/pilfer proof closure for a container of the like and a container provided with the said temper proof closure.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 31, WALLAJAH ROAD, MADRAS-600 002

The 1st September, 1986

701/Mas/86. General Motors Corporation. Self-Steering railway truck.

702/Mas/86. Alfa Institut für hauswirtschaftliche Produkt- und Verfahrens-Entwicklung GmbH. A microwave apparatus.

703/Mas/86. Union Camp Corporation. Preparation of Terpinen-4-ols and intermediates.

The 2nd September, 1986

704/Mas/86. Cheluwachari Kalachari. A device for mooring off-shore and deep sea structures.

705/Mas/86. Cheluwachari Kalachari. A device for carrying people and goods across a stretch of water.

706/Mas/86. Glyco-Metall-Werke. A plain bearing element with non-homogeneous anti-friction layer.

707/Mas/86. Graseby Dynamics Limited. Mounting of sonic devices. (September 4, 1985; United Kingdom).

708/Mar/86. Lacrex Brevetti SA. Device for preheating liquids, especially for preheating liquid fuels used for combustion and for powering engines.

709/Mas/86. Atochem. Process for the preparation of a vinyl chloride homo- or copolymer latex, latex prepared by this process and use of the latex as a seeding material for the preparation of a vinyl chloride homo- or copolymer in a seeded micro-dispersion.

The 3rd September, 1986

710/Mas/86. Anson Limited. Survel Pipe Joint. (September 5, 1985; Great Britain).

711/Mas/86. Atochem. Process for the preparation of a bromofluoroacetic acid and a bromofluoroacetic acid prepared by said process.

The 4th September, 1986

712/Mas/86. Union Carbide Corporation. Bis-phosphite compounds.

713/Mas/86. Union Carbide Corporation. Transition metal complex catalyzed processes.

The 5th September, 1986

714/Mas/86. Siddaiah Sudarshan. A novel soap.

715/Mas/86. U. V. Nayak. An attachment device particularly suited for climbing substantially vertical projection such as a pole or stem.

716/Mas/86. Philip Morris Incorporated. Method for producing a cigarette filter rod. (March 3, 1985; Great Britain).

717/Mas/86. Societe des Produits Nestle S.A. Steam injection process. (November 5, 1985; Great Britain).

The 8th September, 1986

718/Mas/86. H. Prasanna. A machine for fermenting tea.

719/Mas/86. H. Prasanna. A machine for fermenting tea.

720/Mas/86. Formica Corporation. Thermosetting resin casting process, product and device.

721/Mas/86. Hoechst Aktiengesellschaft. Desulfurizing mixture for metal melts, process for making it, and process for desulfurizing liquid metal therewith.

The 9th September, 1986

722/Mas/86. T. J. Vellanikkaran. Electric typewriter mechanism.

723/Mas/86. Masahiko Izumi. Method for producing suspension in air of ultra-fine mist particles.

724/Mas/86. BBC Brown, Boveri & Company Limited. Device for degassing the condensate in the cycle of an electricity generating plant.

725/Mas/86. Stamicarbon B.V. Process for preparing granules and granules obtained by applying this process.

726/Mas/86. Santrade Limited. Powder particles for fine-grained hard material alloys and a process for the preparation of such particles.

The 10th September, 1986

727/Mas/86. Union Carbide Corporation. Silicone-modified polyester resin and silicone-sheathed polyester fibers made therefrom.

The 11th September, 1986

728/Mas/86. Societe des Produits Nestle S.A. Process and apparatus for regulating the degree of roasting, especially of coffee.

The 12th September, 1986

729/Mas/86. Parameswaran Pillai, Sivasankara Pillai. A process for the treatment of effluent from textile mills using the liquid effluents from sulphate titanium dioxide plant.

730/Mas/86. R. Ethiraj. Fluidised bed paddy drier.

731/Mas/86. Metal Box plc. Methods of making metal can ends with plastics closures. (September 20, 1985; United Kingdom).

732/Mas/86. Metal Box plc. Metal can end with plastics closure. (September 20, 1985; United Kingdom).

733/Mas/86. Benne Kaltenegger. Self-propelled road roller.

COMPLETE SPECIFICATION ACCEPTED

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CLASS : 40-B & F

158364

Int. Cl. : C 07 c 5/22.

AN ISOMERIZATION PROCESS FOR ISOMERIZING PARAFFINS.

Applicant : MOBIL OIL CORPORATION, OF 150 EAST 42ND STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Inventors : 1. RENE BERNARD LAPIERRE, 2. RANDALL DAVID PARTRIDGE, 3. STEPHEN SUI FAJ WONG.

Application No. 617/Cal/83 filed May 18, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

An isomerization process which comprises contacting a hydrocarbon feedstock comprising long chain n-paraffins under isomerization conditions with a catalyst at a temperature from 150°C to 500°C, a pressure upto 25,000 KPa and a space velocity of 0.1 to 10 to convert the n-paraffins into iso-paraffins, characterized in that the catalyst comprises a crystalline, large pore zeolite as herein described having a silica : alumina ratio greater than 50 : 1 and a hydrogenation component as herein described.

Compl. specn. 28 pages.

Drg. 7 sheets.

CLASS : 32F_{1&2}(.)

158365

Int. Cl. : C 07 c 161/00.

A PROCESS FOR PREPARING CHIRAL 2-(2-BENZYL-3-MERCAPTOPROPYONYL) AMINO-1-ALKANOLS".

Applicant : PFIZER INC., A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA OF 235 EAST 42ND STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

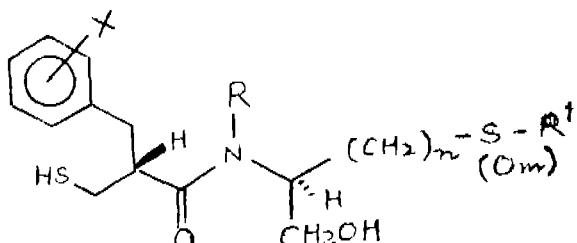
Inventor : JASJIT SINGH BINDRA.

Application for Patent No. 263/Del/82 filed on 30th March, 1982

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

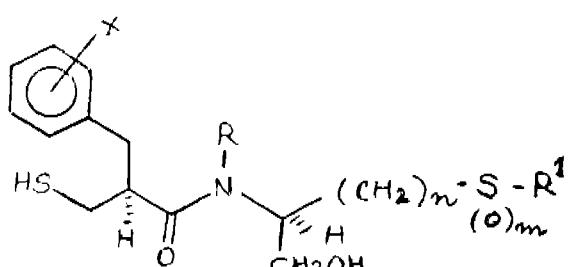
7 Claims

A process for preparing chiral 2-(2-benzyl-3-mercaptopropionyl) amino-1-alkanols of the formula I



or its stereo isomer of formula II of the drawings:

or its stereo isomer of formula II



wherein

X is hydrogen, (C_1-C_8) alkyl, (C_1-C_8) alkoxy, fluoro, chloro, bromo or trifluoromethyl;

R is hydrogen or (C_1-C_8) alkyl;

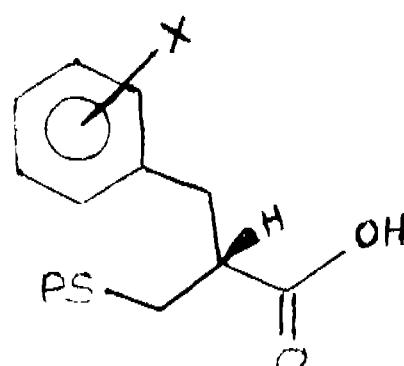
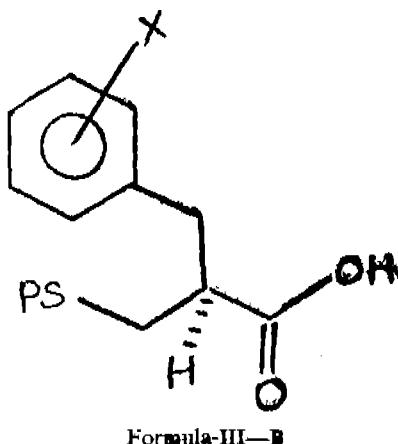
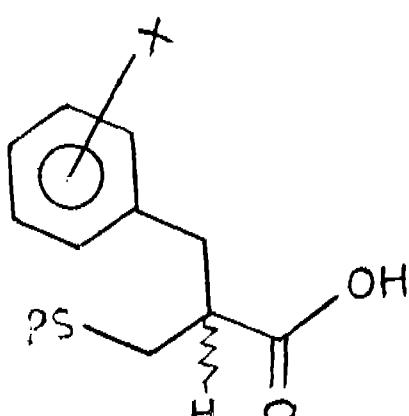
n is 1 to 4,

m is 0, 1 or 2; and

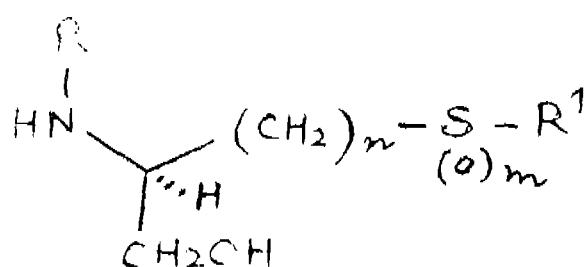
R^1 is (C_1-C_8) alkyl

which is characterised by:

- (a) reacting a compound of the formula IIIA or its stereo isomers of formula IIIB or IIIC of the drawings:



with a compound of the formula IV of the drawings:



wherein P is a sulfur protecting group selectively removable by hydrolysis; and X, R, n, m and R^1 are as defined above; and either separating the resulting diastereoisomers and hydrolyzing, or hydrolyzing and separating in a manner such as herein described the resulting diastereoisomers.

Compl. specn. 33 pages.

Drg. 3 sheets.

CLASS : 206 E, 186 B₁ and 187 C₁

158366

Int. Cl. : H 03 k 1700 and H 04 j 3/00.

DIGITAL SWITCHING NETWORK.

Applicant : COMPAGNIE INDUSTRIELLE DES TELECOMMUNICATIONS CITALCATEL, 6F 12, RUE DE LA BAUME, 75008 PARIS, FRANCE, A FRENCH COMPANY.

Inventors : BERNARD DUPUIS, JEAN PIERRE PASQUET AND CHRISTIAN COPPENS.

Application for Patent No. 278/Del/1982 filed on 5th April, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

A digital switching network for an exchange having distributed control and a central switching network constituted by said digital switching network, said digital switching network being constituted by a plurality of independent switching planes, each of which planes is connected by means of inlet multiplex links and outlet multiplex links to terminal units, each of said terminal units comprising a plurality of exchange terminals together with means for selectively connecting said terminals to said multiplex links, wherein each of said switching planes comprises a plurality of synchronized switches each equipped with a marker and constituting a single switching stage, with each of said switches being connected to serve a respective group of the outlet links of the plane and being connected in parallel with the other switches of the plane to the inlet-links of the plane, each multiplex link being connected to a group of said terminal units, with the terminal units of said group being connected in parallel with one another to said multiplex link, and with each of said groups of terminal units being connected to each of said planes of the switching network by at least multiplex link, each switch being modular and including a control memory driven by the associated marker and a plurality of buffer memory circuits constituting square switching matrices, each of said square switching matrices being connected to a portion of the inlet links served by the switch and to all of the outlet links served thereby.

Compl. specn. 25 pages.

Drg. 9 sheets.

CLASS : 104 J & 152 F

158367

Int. Cl. : C 08 c 1/02 & C 08 d 5/02.

PROCESS FOR MASTICATING RUBBER.

Applicant : BAYER AKTIENGESELLSCHAFT, A BODY CORPORATE ORGANISED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, OF 5090 LEVERKUSEN, BAYERWARK, FEDERAL REPUBLIC OF GERMANY.

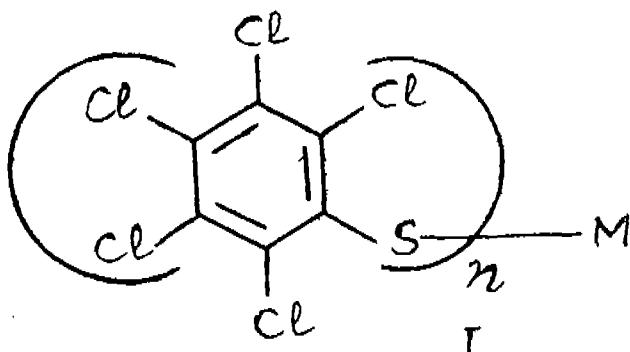
Inventors: RUDIGER SCHUBART, FRIES HERMANN & ERICH ESCH.

Application for Patent No. 295/Del/82 filed on 13th April, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A process for masticating rubber, which comprises treating natural and/or synthetic rubber latex or the corresponding solid rubber with a masticating agent which is a compound of formula I



Formula-I

in which, where $n = 1$, M represents sodium, potassium, lithium, caesium or rubidium and, where $n = 2$, M represents calcium, strontium or barium.

Compl. specn. 6 pages.

Drg. 1 sheet.

CLASS : 32F₉(n) & 40E

158368

Int. Cl. : B 01d 15/00 & 15/08.

PROCESS FOR SEPARATING ESTERS OF FATTY AND ROSIN ACIDS.

Applicant : UOP INC., A CORPORATION ORGANISED IN THE STATE OF DELAWARE, WITH ITS PRINCIPAL PLACE OF BUSINESS AT TEN UOP PLAZA, ALGONQUIN & MT. PROSPECT ROADS, DES PLAINES, ILLINOIS, UNITED STATES OF AMERICA.

Inventor : MICHAEL TERENCE CLEARY, SANTI KUL-PRATHIPANJA AND RICHARD WILLIAM NUZIL.

Application for Patent No. 318/Del/1982 filed on 21st April, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A process for separating an ester of a fatty acid from a mixture comprising an ester of a fatty acid and an ester of a rosin acid, said process comprising contacting said mixture at adsorption conditions which comprise a temperature within the range of from 20°C to 200°C and a pressure sufficient to maintain liquid phase with an absorbent comprising silicalite thereby selectively adsorbing said ester of a fatty acid on to said adsorbent and recovering in any known manner said ester of a fatty acid from said adsorbent.

Compl. specn. 31 pages.

Drg. 1 sheet.

CLASS : 32F₁

158369

Int. Cl. : C 07 c 37/00.

A PROCESS FOR THE CONVERSION OF LIMONENE TO CARVYL CHLORIDE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor : BHAGAVATHULA RAVINDRANATH AND PULLABHATIA SRINIVAS.

Application for Patent No. 360/Del/1982 filed on 14th May, 1982.

Complete specification left on 13th July, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

Process for the conversion of limonene to carvyl chloride comprising reacting limonene with t-butyl hypochlorite at 0°-80° separating by known methods the carvyl chloride formed.

Provisional specification 4 pages.

Complete specification 7 pages.

CLASS : 32D

158370

Int. Cl. : C 07 f 15/00.

PROCESS FOR THE SYNTHESIS OF TRANSITION METAL AMINE COMPLEXES AS POTENTIAL ANTI-ALLERGIC AGENTS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor : KARUNOMOY KAR, SURESH KUMAR BAJPAI AND BHOLA NATH DHAWAN.

Application for Patent No. 376/Del/1982 filed on 19th May, 1982.

Complete specification left on 19th July, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A process for the synthesis of transition metal amine complexes of general formula $M_x(L)_n$, wherein M is Fe, Co, Ni, Cu, x is an oxalate group (C_2O_4)²⁻, tetrathiocyanatomercurate [Hg(SCN)²⁻] or tungstate group (WO₄), L is an amine and n is 2, 3, or 4 comprising reacting a transition metal acid salt M_x wherein M and x have the meaning given above, with an organic amine such as herein described.

Complete specification 8 pages.

CLASS : 86 E

158371

Int. Cl. : H 05k 7/18.

AN ASSEMBLY OF ELECTRICAL OR ELECTRONIC APPARATUS.

Applicant : THE GENERAL ELECTRIC COMPANY, P.L.C., (FORMERLY THE GENERAL COMPANY LIMITED), A BRITISH COMPANY OF 1 STANHOPE GATE, LONDON, W1A 1EH, ENGLAND.

Inventors : GERALD DAVID BREEZE & DONALD CHARLES ELLIOTT.

Application for Patent No. 415/Del/82 filed on 1st June, 1982.

Convention date 9th June, 1981/8117627/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

9 Claims

An assembly of electrical or electronic apparatus comprising a support structure including at least two vertically extending column members, means supporting said column members to lie in a common plane, and a substantially planar support wall member secured on one side of said column members parallel to said common plane, said support wall member having therein over at least part of its area a regular array of apertures, a plurality of component units of said electrical or electronic apparatus, housing means mounted on said support wall member at a required position by means cooperating with apertures of said array, said housing means carrying a plurality of said component units to form at least one functional unit, means cooperating with other apertures of said array of apertures to mount a plurality of other units of said electrical or electronic apparatus on said support wall member, and means to electrically interconnect the units of said apparatus mounted on said support wall member.

Compl. specn. 10 pages.

Drg. 4 sheets.

CLASS : 29A

158372

Int. Cl. : G 11 b 25 04.

MAGNETIC DISC CARTRIDGE HAVING RECORD TRACK INDICATING MEANS.

Applicant : SONY CORPORATION, OF 7-35 KITASHINAGAWA, 6-CHOME, SHINAGAWA-KU, TOKYO 141, JAPAN, A JAPANESE COMPANY.

Inventor : ETSURO SAITO.

Application for Patent No. 430/Del/1982 filed on 3rd June, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

15 Claims

A magnetic disc cartridge of the type having a jacket for containing a rotatable magnetic disc therein, said disc having a hub member for receiving a drive member to rotate said disc to record information in circular tracks on said disc and comprising an opening in said jacket through which said hub member is accessed ; characterized in that an indicator means provided on said jacket for indicating the number of tracks in which information has been recorded.

Compl. specn. 19 pages.

Drg. 3 sheets.

CLASS : 4 A₆

158373

Int. Cl. : B 64 c 3/00, 3/36.

PROFILE FOR WING OF SHORT TAKE-OFF AND LANDING AIRCRAFT.

Applicant : DORNIER GMBH, OF POSTBOX 1420, D-7990 FRIEDRICHSHAFEN, FEDERAL REPUBLIC OF GERMANY, A GERMAN COMPANY.

Inventors : MICHAEL LOTZ (Deceased), HANS JORG PROKSCH, DIETFR WELTE, & HERBERT ZIMMER.

Application for Patent No. 529/Del/1982 filed on 13th July, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

A profile for wings of short take-off and landing aircraft, for cruising speeds up to about 700 Km/h, which comprises a profile as shown in the accompanying drawings having a center line in combination with a nose radius to achieve the maximum possible lift as well as the least possible trimming drag for take-off or cruising, where the centre line (S) includes a first forward point (b₁) at about $x/l = 0.15$ with a first camber maximum of about 1.54% of the length (l), a rear point (b₂) at about $x/l = 0.7$ with a second camber maximum which is about 1.94% of the length (l), a point (b₃) located between the points (b₁ and b₂) and at about $x/l = 0.4$ representing a camber minimum of about 1.4% of the length (l), and where a profile droplet is superposed on the center line (S) which droplet possesses a thickness distribution D having a forward point of about $Y_D/l = 0.059$ at about $x/l = 0.15$, by a point $Y_D/l = 0.08$ at about $x/l = 0.42$, a point of about $Y_D/l = 0.052$ at about $x/l = 0.7$, and by a rear point of about $Y_D/l = 0.007$ at about $x/l = 1.0$, and said profile also having a nose radius (r) of about $r/d = 0.0145$.

Compl. specn. 12 pages.

Drg. 6 sheets.

CLASS : 101 F

158374

Int. Cl. : F 03 b 13/12 & E 02 b 9/08.

APPARATUS FOR RECOVERING KINETIC ENERGY FROM WATER WAVES.

Applicant : INTERPROJECT SERVICE AB., A SWEDISH COMPANY OF FACK, S-640 33 BETTNA, SWEDEN.

Inventor : ANDERS SVEN NOREN.

Application for Patent No. 530/Del/1982 filed on 13th July, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

Apparatus for the recovery of kinetic energy from water waves which comprises a buoyant unit having connected thereto an energy absorbing device, said energy absorbing device comprising a substantially vertical elongate open ended accelerating tube adapted to be immersed in said water, one end of said tube being connected to said buoyant unit whereby the movement imparted to said buoyant unit by said water waves is transmitted to said accelerating tube, and a rigid piston located within said accelerating tube and adapted to move slidably therein between movement-limiting means provided with said accelerating tube to limit the working stroke of such piston and to reduce the forces acting on said piston.

Compl. specn. 6 pages.

Drg. 1 sheet.

CLASS : 206-F

158375

Int. Cl. : H 04 b 1/62.

A RECEIVER FOR RECEIVING A COMPOSITE SIGNAL.

Applicant : HAZELTINE CORPORATION, AT GREEN-LAWN, NEW YORK, 11740, U.S.A.

Inventor : J. BERNARD DUNLEVY LOUGHIN.

Application No. 188/Cal/83 filed February 16, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A receiver for receiving a composite signal having a carrier which has been amplitude modulated with a first modulating signal and angle modulated with a second modulating signal, wherein there are provided first means for demodulating said received signal to obtain a first demodulated signal representative of said first modulating signal, said first demodulated signal also having a characteristic which is dependent on the level of said carrier at said carrier at said first means, and second means, jointly responsive to said received signal and to said first demodulated signal, for demodulating said received signal to obtain a second demodulated signal representative of said second modulating signal, but having distortion correction which is adversely affected by the carrier level dependency of said first demodulated signal, the improvement wherein said second demodulating means includes means responsive to said first demodulated signal for deriving therefrom a modification signal which is substantially independent of said carrier level, and means, jointly responsive to said modification signal and to said modulated carrier signal for developing therefrom a second demodulated signal which is representative of said second modulating signal and which has distortion correction that is substantially independent of said carrier level.

Compl. specn. 19 pages.

Drg. 2 sheets.

CLASS : 206-E

158376

Int. Cl. : H 05 k 3/02.

A METHOD FOR FABRICATING PRINTED CIRCUIT BOARDS.

IMPROVEMENTS TO INTERNAL COMBUSTION

Applicant : ECONOMICS LABORATORY, INC., OF OSBORN BUILDING, ST. PAUL, MINNESOTA 55102, UNITED STATES OF AMERICA.

Inventor : J. PETER P. PELLIGRINO.

Application No. 272/Cal/83 filed March 4, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims

A method for fabricating a printed circuit board comprising the steps of:

- (a) Electrolytically forming a uniform, relatively pin-hole free thin first layer of a conductive material on a polished homogenous, rigid substrate having a conductive surface; wherein there is low contact pressure between the first layer and the substrate surface;
- (b) depositing photosensitive resist onto said first layer of conductive material;
- (c) masking the photosensitive resist with a photomask to define a conductive circuit pattern on the surface of the resist;
- (d) exposing the masked photosensitive resist to light;
- (e) dissolving those portion of the resist corresponding to the conductive circuit pattern, forming three-dimensional cavities in the resist, to expose said first layer of conductive material according to said circuit pattern;
- (f) electrolytically forming a second layer of conductive material, of the same material as that of said first conductive material, upon the exposed portions of said first layer of conductive material, wherein a raised conductive circuit pattern is formed above the general plane of said first conductive layer, conforming to the three-dimensional cavity definition of the photosensitive resist image; said first and second conductive layers being integrally bonded to one another;
- (g) removing previously undissolved photosensitive resist from said first layer of conductive material, thereby exposing top and sidewall surface portions of said raised conductive circuit pattern configured to the shape of said three-dimensional cavity;
- (h) treating at least the three-dimensional top and sidewall surface portions of said raised conductive circuit pattern so as to provide a chemical conversion coating on said surface portions, thereby enhancing the adhesion properties of said surface portions to laminate insulator materials;
- (i) embedding said raised conductive circuit pattern on said first conductive layer within a uniform thickness of laminate insulator material, whereby the laminate material strongly adheres to said raised conductive circuit pattern across the entire three-dimensional said surface portions thereof;
- (j) separating the first conductive layer with said attached laminate and said embedded conductive layer from the rigid substrate; and

(k) etching away said first conductive layer from said insulator material; whereby the conductive circuit pattern embedded in the laminate insulator material is exposed and lays flush and coplanar with the surface of the insulator material, with uniform cross-sectional thickness across the entire circuit board.

Compl. specn. 26 pages.

Drg. 5 sheets.

Class : 28-C

158377

Int. Cl. : F 23 r 1/00.

IMPROVEMENTS TO INTERNAL COMBUSTION BURNERS.

Applicant : ISOVER SAINT-GOBAIN, 18 AVENUE D'ALSACE, 92400 COURBEVOIE, FRANCE.

Inventor : 1. RENE GEST.

Application No. 338/Cal/83 filed March 19, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

An internal combustion burner for use in a mineral fibre forming apparatus comprising a combustion chamber (1), a combustible mixture supply duct (11), an expansion orifice (3), and walls (2, 3) extending from the ends of the chamber characterised in that said walls being joined in a manner such that the combustible mixture which is supplied along the wall (3) adjacent the supply orifice (12) reverses direction of flow and returns along the other wall (2) towards the expansion orifice.

Compl. specn. 32 pages.

Drg. 5 sheets.

CLASS : 119-E

158378

Int. Cl. : D 03 d 49/12, 49/04.

APPARATUS FOR PREVENTING THE OCCURRENCE OF WEAVING BAR DURING THE OPERATION OF A LOOM.

Applicant : KABUSHIKI KAISHA TOYODA JIDO-SHOKKI SEISAKUSHO OF 1, TOYODA-CHO 2-CHOME, CITY OF KARIYA, AICHI PREFECTURE, JAPAN.

Inventors : 1. HAJIME SUZUKI, 2. MASAHIKO KIMABARA, 3. AKIO ARAKAWA.

Application No. 342/Cal/83 filed March 22, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

An apparatus for preventing the occurrence of weaving bar during the operation of a loom comprising a warp beam for supplying warp threads through a tensioner and toward the cloth fell, means operatively associated with said warp beam for driving the latter through a speed change unit, and a lever system comprising a member disposed in a path of the supplied warp threads to detect the tension thereon, said lever system being operatively associated with said speed change unit to transmit fluctuations in the tension detected by said member to said speed change unit thereby to change the r.p.m. of said warp beam responsive to the fluctuations, said apparatus further comprising means operatively associated with said tensioner for applying an additional tension on the supplied warp threads for a predetermined time interval during loom startup, characterized in that interrupting means is provided in association with said lever system, said interrupting means being operated at least during said time interval to prevent the fluctuations from being transferred to said speed change unit.

Compl. specn. 14 pages.

Drg. 4 sheets.

CLASS : 108-C₈

158379

Int. Cl. : C 21 c 5/00.

PROCESS OF PRODUCING LIQUID CARBON-CONTAINING IRON.

Applicants : (1) METALLGESELLSCHAFT AKTIEN-GESELLSCHAFT, OF 14 FRANKFURT A.M. REUTERWEG, WEST GERMANY; (2) MANNESMANN AKTIEN-GESELLSCHAFT, MANNES-MANNUFER 2, 4000 DUSSELDORF, WEST GERMANY.

Inventors : 1. LOTHAR FORMANEK, 2. MARTIN HYRSCH, 3. WOLFRAM SCHNABEL, 4. HARRY SERBENT, 5. KLAUS-DIETRICH FRITZSCHE, 6. HERIBERT KOENIG, 7. GERO RATH.

Application No. 1299/Cal/83 filed October 22, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A process of producing liquid carbon-containing iron (hot metal) wherein iron oxide-containing materials are directly reduced with solid carbonaceous reducing agents to form sponge iron, and sponge iron is thereafter melted in an electric reducing furnace, the improvement comprising :

- (a) separating the material discharged from the direct reduction by magnetic separation into sponge iron and non-magnetic material containing surplus carbon,
- (b) producing electrical energy by afterburning the exhaust gas of the direct reduction,
- (c) producing additional electrical energy from hot combustion gases produced in a combustion aggregate,
- (d) charging at least part of carbon-containing non-magnetic material obtained according to step (a) into the combustion aggregate according to step (c),
- (e) whereon the sponge iron obtained according to step (a) is charged into and melted in the electric reducing furnace into liquid carbon-containing iron and,
- (f) whereon the sum of the rate of produced electrical energy according to steps (b) and (c) equals at least the rate of electrical energy necessary for melting the sponge iron to liquid carbon-containing iron according to step (e) and whereon the necessary rate of electrical energy is applied to the electrical reducing furnace.

Compl. specn. 13 pages.

Drg. 1 sheet.

CLASS : 32-B; 40-B & 84-B

158380

Int. Cl. : B 01 j /1106.

PROCESS FOR THE PREPARATION OF A FISCHER-TROPSCH CATALYST, AND USE OF THIS CATALYST IN THE PREPARATION OF HYDROCARBONS.

Applicant : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. OF CAREL VAN BYLANDT-LAAN 30, 2596 HR THE HAGUE, THE NETHERLANDS.

Inventors : 1. ARNOLD HOEK, 2. JOHANNES KORNELIS MINDERHOUD, 3. MARTIN FRANCISCUS MARIA POST, 4. PETER WILLIAM LEDNOR.

Application No. 1361/Cal/83 filed November 5, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A process for the preparation of a Fischer-Tropsch Catalyst which contains cobalt, zirconium or titanium and silica, which process comprises impregnating a silica carrier with a solution of a zirconium or titanium compound, calcining the composition thus obtained, impregnating the calcined composition with a solution of a cobalt compound and calcining and reducing the composition thus obtained to prepare a catalyst containing 5–40 pbw cobalt and 2–150 pbw Zirconium or titanium per 100 pbw silica.

Compl. specn. 19 pages.

Drg. Nil.

CLASS : 32-F_a c; 55-F

158381

Int. Cl. : C 07 d 5/40.

PROCESS FOR THE PRODUCTION OF BENZOFURAN DERIVATIVES.

Applicant : BRICHIMA Spa VIA DEL VECCHIO POLITICO NO. 7, MILAN ITALY.

Inventors : 1. PAOLO MAGGIONI, 2. FRANCESCO MINISCI, 3. MARIANO CORREALE.

Application No. 88/Cal/84 filed February 4, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A process for the preparation of benzofuran derivatives having the formula shown in Fig. 1 of the accompanying drawings.



Fig. 1

where R is an alkyl radical with 1–6 atoms of C, characterized by the fact that a pyrocatechol ether, having the formula shown in Fig. 2 of the drawings,

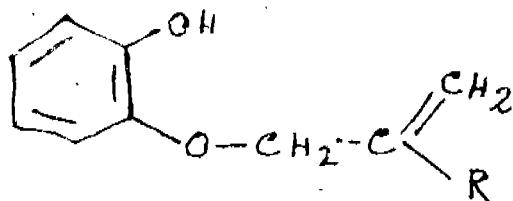


Fig. 2

where R is as defined above, is put in solution with an inert, organic solvent in the reaction conditions in the presence of a catalyst selected from the group comprising metals of 3rd and 4th group of the periodic system in form of carboxylates or in the form of modified zeolites and heated to a temperature ranging from 60° to 220°C, the ratio, by weight, of said catalyst and said pyrocatechol ether is between 0.0005 and 0.05.

Compl. specn. 11 pages.

Drg. 1 sheet

CLASS : 205-K

158382

Int. Cl. : B 60 b 9/00.

TYRE BEAD REINFORCEMENT.

Applicant : APSLEY METALS LIMITED, OF 19 NEW BRIDGE STREET, LONDON, ENGLAND.

Inventors : 1. ANTHONY JAMES MORGAN SUMNER, 2. GEOFFREY FISCHER MORTON.

Application No. 381/Cal/84 filed May 31, 1984.

Convention dated 15th June, 1983 (83 16236) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A tyre bead having a reinforcing structure comprising an annular bead core, an apex strip extending radially outwards from the bead core and a filler strip wherein the filler strip comprises a strip of fabric formed by a single continuous reinforcement member which extends continuously back and forth from side-to-side of the strip of fabric so that the filler strip reinforcement forms looped edges and no cut ends at either side.

Compl. specn. 9 pages.

Drg. 1 sheet.

CLASS : 77-A

158383

Int. Cl. : A 23 d 5/00.

A PROCESS FOR THE PREPARATION OF AN EDIBLE FAT COMPOSITION.

Applicant : JOHN WYETH & BROTHER LIMITED, OF HUNTERCOMBE LANE SOUTH, TAPLOW, MAIDENHEAD, BERKSHIRE, SL 6 OPH, ENGLAND.

Inventor : 1. ARTHUR WALTER THOMAS RULE.

Application No. 400/Cal/84 filed June 13, 1984.

Convention dated 24th June, 1983 (17248) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

22 Claims

A process for the preparation of an edible fat composition, which comprises blending :

- (a) palm oil;
- (b) an oil selected from olive oil and oleic oil;
- (c) an oil selected from coconut oil, babassu oil and palm kernel oil;
- (d) an oil selected from soybean oil, corn oil sunflower seed oil, cottonseed oil and safflower oil and, if desired;
- (e) up to 2%, calculated on the weight of the fat composition, of a lecithin;

in such proportions that the fat composition contains, per 100 parts by weight of fatty acids,

- (i) 17 to 22 parts by weight of linoleic acid;
- (ii) 28 to 44 parts by weight of oleic acid;
- (iii) 7 to 25 parts by weight of the sum of lauric and myristic acids; and
- (iv) 18 to 26 parts by weight of the sum of palmitic and stearic acids.

Compl. specn. 17 pages.

Drg. Nt.

CLASS : 198-A, B & D

158384

(7)

Int. Cl. : B 01 d 23/00, 29/00, 35/00.

AN IMPROVED TANK FOR THE RECOVERY OF FINE COAL, ASH AND OTHERS MINERALS FROM A WATER SLURRY OF SAME.

Applicant & Inventor : MR. TARUN GUPTA, C/O COAL INSPECTION SERVICE, P.O. DHANSAR, DIST. DHANBAD, BIHAR, INDIA.

Application No 536/Cal/84 filed July 28, 1984.

Complete Specification left on 5th July, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

Improvements in or relating to a settling tank/container for use in the recovery of valuable solids such as coal ash and other mineral from a water slurry thereof comprising a bottom floor and a number of side walls, characterized by the movement wherein at least a portion of each side wall or selected side walls is made water pervious while the bottom floor is made water impervious and wherein the external bottom portion of the side walls is surrounded by a channel or trough for leading or conveying away the water collected therein which has seeped through the water pervious side walls or portions thereof.

Provisional specn. 9 pages.

Drg. Nil.

Compl. specn. 23 pages.

Drg. 3 sheets.

OPPOSITION PROCEEDINGS

An opposition has been entered by Orissa Cement Limited to the grant of a Patent on application No. 157517 made by Kumardhubi Fire clay silica works.

A limited number of printed copies of the undenoted specification are available for sale from the patent office, Calcutta and its branches at Bombay, Madras and New Delhi at two rupees per copy :—

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156471 156479 156483 156752 156896.

AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that Sri Samar Lal Maitra, an Indian of Quarter No. D-4/R, Sagarbhanga Housing Colony, P.O. Durgapur, PIN-713211, Dist. Burdwan, West Bengal, India have made an application under Section 57 of the Patents Act, 1970 for amendment of application of their Patent application No. 156274 for "A system for energising a radio and/or a tape-recorder in "to-the-minute" accurate time." The amendment are by way of *changing address for service*. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017 or copies of the same can be had on payment of the usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition in Form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

RENEWAL FEES PAID

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155840 155841 155853 155855 155987 156019.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not to be inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 157061, SRF Nippondenso Limited, 42, Community Centre, New Friends Colony, New Delhi-110065, India, an Indian Company. "Rotor for an Alternator". 13th May, 1986.

Class 1. No. 156781. The English Electric Co. of India Limited of P.O. Box No. 2, Pallavaram, Madras-600043, Tamil Nadu, India, an Indian Company. "Current Transformer". 14th March, 1986.

Class 3. No. 156696, Inalsa Private Limited, A company incorporated under the Companies Act, Surya Kiran, 19-Kasturba Gandhi Marg, New Delhi-1110001. "Food Processors". 23rd February, 1986.

Class 3. No. 156743. M/s. Bansal Traders & Engineering Company, C-7, Wazirpur Industrial Area, Delhi (India) a Partnership firm. "Children Toilet Pot" 5th March, 1986.

CLASS 3. No. 156888. Vivelon Cosmetics, Ajay Service Industrial Estate, Unit 421, 4th Floor, Anjir Wadi, Mazgaon, Bombay-400 010, State of Maharashtra, India. "A Cover of a Bottle". 1st April, 1986.

Class 3. No. 156681. Sree Krishnakeshav Laboratories Limited, Amraiwadi Road, Ahmedabad-380 008, Gujarat, India, an Indian Company. "Flow control device to control the rate of flow of fluid given intravenously to the patient". 19th February, 1986.

Class 3. No. 156683. Shree Krishnakeshav Laboratories Limited, Amraiwadi Road, Ahmedabad-380 008, Gujarat, India, an Indian Company. "Flow control device to control the rate of flow of fluid given intravenously to the patient." 19th February, 1986.

Class 3. No. 156858. Sree Krishnakeshav Laboratories Ltd., an Indian Company of Amraiwadi Road, Ahmedabad-380 008, Gujarat, India. "Bottle". 21st March, 1986.

Class 3. No. 157080. Eskayef Limited, of Devanahalli Road, off Old Madras Road, Bangalore-560 049, Karnataka State, India, an Indian Company. "Containers". 22nd May, 1986.

Class 3. No. 156782. The English Electric Co. of India Limited, of P.O. Box No. 2, Pallavaram, Madras-600043, Tamil Nadu, India, an Indian Company. "Half-cover for current transformer". 14th March, 1986.

Class 4. No. 157081. Eskayef Limited, of Devanahalli Road, off Old Madras Road, Bangalore-560 049, Karnataka State, India, an Indian Company. "Containers". 22nd May, 1986.

Class 5. No. 157040. Sushrut Ayurved Institute, 6 Mysore Colony, Mahul Road, Chembur, Bombay-400074, Maharashtra, an Indian Sole Proprietary firm. "Packing Box". 8th May, 1986.

R. A. ACHARYA

Controller General of Patents, Designs and Trade Marks